

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION:
S. Mark Haugland

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EXAMINER: Unknown

SERIAL NO.

GROUP ART UNIT: Unknown

FILED:

FOR: ENHANCED MEASUREMENT OF
AZIMUTHAL DEPENDENCE OF
SUBTERRANEAN PARAMETERS

Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Pursuant to Applicant's duty, under 37 C.F.R. § 1.56, 1.97 and 1.98, to disclose all relevant material, the Applicant lists below the following references believed to be relevant to the subject matter of the above-identified application:

| | <u>U.S. Patent No.</u> | <u>Issue Date</u> | <u>Inventor</u> |
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| 1. | 5,023,450 | 06-11-1991 | Gold |
| 2. | 5,045,795 | 09-03-1991 | Gianzero et al. |
| 3. | 5,339,036 | 08-16-1994 | Clark et al. |
| 4. | 5,357,797 | 10-25-1994 | Maki, Jr. et al. |
| 5. | 5,422,480 | 06-06-1995 | Schultz |
| 6. | 5,486,695 | 01-23-1996 | Schultz et al. |
| 7. | 5,473,158 | 12-05-1995 | Holenka et al. |
| 8. | 5,513,528 | 05-07-1996 | Holenka et al. |
| 9. | 5,591,967 | 06-07-1997 | Moake |

Docket No. PAT035US

PATENT

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| 10. | 5,675,488 | 10-07-1997 | McElhinney |
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| 14. | 6,307,199-B1 | 10-23-2001 | Edwards et al. |
| 15. | 6,321,456-B1 | 11-27-2001 | McElhinney |
| 16. | 6,584,837-B2 | 07-01-2003 | Kurkoski |
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| 1. | EP 0793000 | 04-10-2001 | Halliburton Energy Services |
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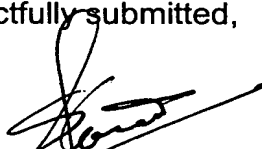
1. OPPENHEIM, A. V. and SCHAFER, R.W., Digital Signal Processing, Prentice-Hall, 1975, pp. 239 – 250 and pp. 548 – 554.

Applicant respectfully submits that the invention in the above-identified application is patentably distinguishable over the cited references known to Applicant and disclosed in the above Information Disclosure Statement.

This Information Disclosure Statement is being filed **within** three months of the filing date of this national application or the date of entry of the national stage as set forth in § 1.491 in an international application.

Respectfully submitted,

Date: April 16, 2004



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| Substitute for form 1449A/PTO | | | | Complete if Known | |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i> | | | | Application Number | |
| | | | | Filing Date | |
| | | | | First Named Inventor | |
| | | | | Art Unit | |
| | | | | Examiner Name | |
| Sheet | 1 | of | 1 | Attorney Docket Number | PAT035US |

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| | AT | OPPENHEIM, A. V. and SCHAFER, R.W., Digital Signal Processing, Prentice-Hall, 1975, pp. pp. 239 – 250 and pp. 548 – 554. | |
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| Examiner Signature | Date Considered |
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication with applicant.
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